

IN THE CLAIMS:

Sub 1. (Currently amended) A frame assembly for use in construction of a building, the frame assembly adapted to support a load, the frame assembly comprising:

a pair of precast elongated linear structural members positioned in spaced apart relationship;

at least one precast elongated linear structural member extending between the spaced apart pair of precast elongated linear structural members,

at least one of the precast elongated linear structural members being formed from fiber reinforced cellular concrete, the fiber reinforced cellular concrete providing the structural strength of the at least one precast elongated linear structural member members, wherein the at least one precast elongated linear structural member is connected to at least one of the pair of precast elongated linear structural members by inserting a fastener through one of the at least one precast elongated linear structural member and the at least one of the pair of precast elongated linear structural members and into the other of the at least one precast elongated linear structural member and the at least one of the pair of precast elongated linear structural members to mechanically join them together.

fasteners
not
shown.

2. (Currently amended) A method for constructing a building using non-wood construction products comprising the steps of:

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a) constructing a plurality of planar frame sections from precast elongated elements, said precast elongated elements being precast structural members adapted to support a load, ~~at least a plurality of said~~ precast elongated elements being formed from fiber-reinforced cellular concrete, said step of constructing including fastening a plurality of precast elongated intermediate elements having first and second ends to ~~an elongated~~ a precast elongated first end element at the first ends of the precast intermediate elements such that each precast intermediate element is substantially parallel to the other precast intermediate elements and the precast intermediate elements are substantially perpendicular to the precast elongated first end element, wherein fastening a plurality of precast elongated intermediate elements includes inserting a fastener through one of at least one precast intermediate element and the precast elongated first end element and into the other of the at least one precast intermediate element and the precast elongated first end element to mechanically join them together, and fastening an elongated a precast elongated second end element to the plurality of precast intermediate elements at the second ends of the precast intermediate elements such that the precast second end element is substantially perpendicular to the precast intermediate elements and substantially parallel to the precast first end element, wherein fastening a precast elongated second end element includes inserting a fastener through one of at least one precast intermediate element and the precast elongated second end element and into the other of the at least one precast intermediate element and the precast elongated second end element to mechanically join them together; and

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b) fastening a first planar frame section to a second planar frame section such that the plane of the first frame section is substantially perpendicular to the plane of the second frame section.

3. (Currently amended) A structural frame for use in forming a building, the frame comprising:

a plurality of precast elongated intermediate elements having first and second ends;

~~an elongated~~ a precast first end element fastened to the first ends of the precast intermediate elements such that each precast intermediate element is substantially parallel to the other precast intermediate elements and the precast intermediate elements are substantially perpendicular to the precast first end element; and

~~an elongated~~ a precast elongated second end element fastened to the plurality of precast intermediate elements at the second ends of the precast intermediate elements such that the precast second end element is substantially perpendicular to the precast intermediate elements and substantially parallel to the precast first end element, ~~at least one of said precast intermediate or first or second~~ and precast first and second end elements being formed from fiber-reinforced cellular concrete, the fiber reinforced cellular concrete primarily providing the structural strength of said ~~at least one element~~ precast elements, wherein at least one of the plurality of precast elongated intermediate elements is connected to the precast first end element by inserting a fastener through one of the at least one of the plurality of precast elongated intermediate elements and the precast first end element and into the other of the at least one of the plurality of precast elongated intermediate elements and the precast first end element to mechanically join them together, and wherein the at least one of the plurality of precast elongated intermediate elements is connected to the precast second end element by inserting a fastener through one of the at least one of the plurality of precast elongated intermediate elements and the precast second end element and into the other of the at least one of the plurality of precast elongated intermediate elements and the precast second end element to mechanically join them together.

4-9. (Cancelled)

10. (Currently amended) A frame assembly for use in construction of a building, the frame assembly comprising:

a pair of precast elongated linear structural members positioned in spaced apart relationship;

at least one precast elongated linear structural member extending between the spaced apart pair of elongated linear structural members, ~~at least one of the elongated linear structural members being formed from a non-laminated, substantially homogenous fiber reinforced cellular concrete, wherein at least one of the pair of precast elongated linear structural members are~~ connected to the at least one precast elongated linear structural member by inserting a fastener through one of the at least one of the pair of precast elongated linear structural members and the at least one precast elongated linear structural member and into the other of the at least one of the pair of precast elongated linear structural members and the at least one precast elongated linear structural member to mechanically join them together.

11-22. (Cancelled)